

# DOLUTEGRAVIR INTERACTIONS INFORMATION SHEET

## POTENTIAL INTERACTIONS WITH DOLUTEGRAVIR (DTG)

Interacting drug	Effect of co-administration	Recommendation
Rifampicin	↓ DTG	Double DTG dose to 50 mg 12-hourly. If on TLD FDC, add DTG 50 mg 12 hours after TLD dose
Anticonvulsants: Carbamazepine Phenobarbital Phenytoin	↓ DTG	Avoid coadministration if possible. Alternative agents that do not interact with DTG include valproate, lamotrigine, levetiracetam, and topiramate. <b>Remember that valproate is contra-indicated during pregnancy.</b> Double DTG dose to 50 mg 12-hourly for carbamazepine if an alternative anticonvulsant cannot be used
Metformin	↑ Metformin	DTG increases metformin levels. Maximum metformin dose 500 mg 12-hourly
<b>Polyvalent cations (Mg<sup>2+</sup>, Fe<sup>2+</sup>, Ca<sup>2+</sup>, Al<sup>3+</sup>, Zn<sup>2+</sup>) e.g. antacids, sucralfate, multivitamin and nutritional supplements</b>		
Calcium	↓ DTG	Interaction occurs if taken together on empty stomach. To prevent this, take at the same time, with food. Without food, take the calcium supplement a minimum of 2 hours after or 6 hours before DTG
Iron	↓ DTG	Interaction occurs if taken together on empty stomach. To prevent this, take at the same time, with food. Without food, take the iron supplement a minimum of 2 hours after or 6 hours before DTG <b>Remember:</b> Take calcium and iron at least 4 hours apart
Magnesium/ aluminium containing antacids	↓ DTG	We do not know if food intake eliminates this interaction. Antacids should be taken a minimum of 2 hours after or 6 hours before DTG
Sucralfate/Zinc	↓ DTG	We do not know if food intake eliminates this interaction. Sucralfate/zinc should be taken a minimum of 2 hours after or 6 hours before DTG



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### NEED HELP?

Contact the TOLL-FREE National HIV & TB Health Care Worker Hotline

**0800 212 506 / 021 406 6782**

Alternatively "WhatsApp" or send an SMS or "Please Call Me" to 071 840 1572  
[www.mic.uct.ac.za](http://www.mic.uct.ac.za)

Download our free App: SA HIV/TB Hotline



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### IF YOU TAKE DOLUTEGRAVIR (e.g. TLD) AND NEED TO TAKE CALCIUM AND IRON SUPPLEMENTATION (e.g. DURING PREGNANCY) DO IT LIKE THIS:

#### WITH FOOD



08:00 TLD + Calcium + FOOD



13:00 Iron supplement



20:00 Calcium

Antacid can be taken after 10h00 and before 02h00, but not at the same time as iron. Try to separate the dosing of iron and antacids as much as possible

#### WITHOUT FOOD



06:00 TLD  
08:00 Calcium



13:00 Iron supplement



20:00 Calcium

Antacid can be taken after 8h00 and before 24h00, but not at the same time as iron. Try to separate dosing of iron and antacids as much as possible